

EMULSAN AND EMULSAN ANALOGS  
IMMUNIZATION FORMULATIONS AND USE

ABSTRACT OF THE DISCLOSURE

Immunization formulations comprising an antigen and an emulsan or emulsan  
5 analog are formed and can be administered to a host. The emulsan or emulsan analog is  
an adjuvant in the immunization formulation. The emulsan or emulsan analog is  
secreted from *Acinetobacter calcoaceticus*. In particular, the emulsan or emulsan  
analog is secreted from *Acinetobacter calcoaceticus* RAG-1. The emulsan analog is  
produced and secreted from *Acinetobacter calcoaceticus* cultured in the presence of  
10 varying fatty acid sources. The emulsan analog is also produced and secreted from  
mutants of *Acinetobacter calcoaceticus*, such as transposon mutants of *Acinetobacter*  
*calcoaceticus* RAG-1.